



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William Shaw  
Serial No. : 10/762,816  
Filed : January 22, 2004  
Title : MEDICAL DEVICES

Art Unit : 1908  
Examiner : H. Phan

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. Only copies of articles and foreign patent documents are enclosed.

The following patent applications are commonly owned:

U.S. Application Serial No. 60/331,332, filed September 28, 2001

U.S. Application Serial No. 60/327,629 filed October 5, 2001

U.S. Application Serial No. 10/263,225 filed Oct. 2, 2002

U.S. Application Serial No. 10/688,224 filed Oct. 15, 2003

This statement is being filed after a first Office Action on the merits, but before receipt of a final Office Action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed.

12/20/2004 HALI11 00000018 10762816

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December 14, 2004

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Diane C. Brown

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Receipt date: 12/17/2004

10762816 - GAU: 3774

Applicant : William Shaw  
Serial No. : 10/762,816  
Filed : January 22, 2004  
Page : 2 of 2

Attorney's Docket No.: 10527-455001 / 02-312

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: December 14, 2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10527-455001	Application No. 10/762,816
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant <b>William Shaw</b>	
		Filing Date January 22, 2004	Group Art Unit 1908
(37 CFR §1.98(b))			



## U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,655,771	04/07/1987	Wallsten			
	AB	4,922,905	05/08/1990	Strecker			
	AC	5,015,253	05/14/1991	MacGregor			
	AD	5,195,969	03/23/1993	Wang et al.			
	AE	5,270,086	12/14/1993	Hamlin			
	AF	5,366,504	11/22/1994	Andersen et al.			
	AG	5,509,931	04/23/1996	Schmitt			
	AH	5,514,112	05/07/1996	Chu et al.			
	AI	5,527,353	06/18/1996	Schmitt			
	AJ	5,556,426	09/17/1996	Popadiuk et al.			
	AK	5,629,077	05/13/1997	Turnlund et al.			
	AL	5,674,242	10/07/1997	Phan et al.			
	AM	5,679,470	10/21/1997	Mayer			
	AN	5,690,670	11/25/1997	Davidson			
	AO	5,709,703	01/20/1998	Lukic et al.			
	AP	5,709,713	01/20/1998	Evans et al.			
	AQ	5,718,973	02/17/1998	Lewis et al.			
	AR	5,725,570	03/10/1998	Heath			
	AS	5,733,326	03/31/1998	Tomonto et al.			
	AT	5,780,807	07/14/1998	Saunders			
	AU	5,797,877	08/25/1998	Hamilton et al.			
	AV	5,800,511	09/01/1998	Mayer			
	AW	5,800,519	09/01/1998	Sandock			
	AX	5,899,935	05/04/1999	Ding			
	AY	5,928,260	07/27/1999	Chin et al.			
	AZ	5,980,972	11/09/1999	Ding			
	AAA	6,015,432	01/18/2000	Rakos et al.			

Examiner Signature /Alvin Stewart/	Date Considered 04/22/2010
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6,066,100	05/23/2002	Willard et al.			
	ACC	6,099,561	08/08/2000	Alt			
	ADD	6,161,399	12/19/2000	Jayaraman			
	AEE	6,162,244	12/19/2000	Braun et al.			
	AFF	6,165,178	12/26/2000	Bashiri et al.			
	AGG	6,165,213	12/26/2000	Goicoechea et al.			
	AHH	6,190,373	02/20/2001	Palermo et al.			
	AII	6,248,129B1	06/19/2001	Froix			
	AJJ	6,248,571	06/19/2001	Schmidt et al.			
	AKK	6,250,952	06/26/01	Shiga et al.			
	ALL	6,264,689	07/24/2001	Colgan et al.			
	AMM	6,280,457	08/28/2001	Wallace et al.			
	ANN	6,312,458	11/05/2001	Golds			
	AOO	6,316,018	11/13/2001	Ding et al.			
	APP	6,331,184	12/28/2001	Abrams			
	AQQ	6,335,029B1	01/01/2002	Kamath et al.			
	ARR	6,340,441B1	01/22/2002	Meyer et al.			
	ASS	6,425,898	07/30/2002	Wilson et al.			
	ATT	6,428,571	08/06/2002	Lentz et al.			
	AUU	6,468,266	10/22/2002	Bashiri et al.			
	AVV	6,488,694	12/03/2002	Lau et al.			
	AWW	6,506,408	01/14/2003	Palasis			
	AXX	6,520,952	02/18/2003	Jimenez			
	AYY	6,558,794	05/06/2003	Fehrenbacher et al.			
	AZZ	2002/0016596 A1	02/07/02	Cooper			
	AAA	2002/0165523	11/07/2002	Chin et al.			
	ABBB	2003/0003220	01/02/2003	Zhong et al.			

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	2003/0018380	01/23/2003	Craig et al.			
	ADDD	2003/0065355	04/03/2003	Weber			
	AEEE	2003/0093107	05/15/2003	Parsonage et al.			
	AFFF	2003/0143350	07/31/2003	Jimenez			
	AGGG	2003/0176849	09/18/2003	Wendlandt et al.			
	AHHH	2003/0185895	10/02/2003	Lanphere et al.			
	AIII	2003/0191356	10/09/2003	Moreci			
	AJJJ	2004/0044397	03/04/2004	Stinson			
	AKKK	10/263,225	10/02/02	Bertolino et al.			
	ALLL	10/688,224	10/15/2003	Tan			
	AMMM	60/331,332	09/28/2001	Parsonage et al.			
	ANNN	60/327,629	10/05/2001	Horn et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	A000	WO96012448	05/02/1996	PCT				
	APPP	WO96017634	06/13/1996	PCT				
	AQQQ	WO9932051	07/01/1999	PCT				
	ARRR	WO99061081	12/02/1999	PCT				
	ASSS	WO0038590	07/06/2000	PCT				
	ATTT	WO0134062	05/17/2001	PCT				
	AUUU	WO03082565	10/09/2003	PCT				
	AVVV	DE19730296	01/21/1999	Germany				X
	AWWW	DE19730296	01/21/1999	Germany (Abstract)			X	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
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**Information Disclosure Statement  
by Applicant**

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(37 CFR §1.98(b))

**Other Documents (include Author, Title, Date, and Place of Publication)**

no date

Examiner Initial	Desig. ID	Document
		"Fiber Reinforced Composites and Structural Materials Using Nanostructured Ceramic Fibers"
	XXXX	Available Web Site: <a href="http://www.argonide.com/composites.html">http://www.argonide.com/composites.html</a> Retrieved from Internet prior to the filing of the application.
	YYYY	"SIBORAMIX-Ceramic Fibres for High Temperature Matrix Composite Applications"
		Available Web Site: <a href="http://www.vet2.com/app/list/techpak?id=8746&amp;sid=90&amp;abc=0">http://www.vet2.com/app/list/techpak?id=8746&amp;sid=90&amp;abc=0</a> Retrieved from Internet prior to the filing of the application.
	ZZZZ	"About Ceramics"
		Available Web Site: <a href="http://www.ceramics.org/acers/aboutceramics.asp?id=acers">http://www.ceramics.org/acers/aboutceramics.asp?id=acers</a> Retrieved from Internet prior to the filing of the application.
	AAAAA	"Interfacial Criteria for Producing Ceramic Reinforced Metal-Matrix Composites"
		Available Web Site: <a href="http://www.knovel.com/knovel2/Toc.jsp?BookID=364">http://www.knovel.com/knovel2/Toc.jsp?BookID=364</a> Retrieved from Internet prior to the filing of the application.
	BBBBB	"Development of High Strength/Ductility Mg Composites (New Concept)"
		Available Web Site: <a href="http://www.postech.ac.kr/dept/mse/adl/research/ijkim/Mg_Composite.htm">http://www.postech.ac.kr/dept/mse/adl/research/ijkim/Mg_Composite.htm</a> Retrieved from Internet prior to the filing of the application.
		Kouzei, M., Weber, L., San Marchi, C., Mortensen A.
	CCCCC	"Damage Micromechanisms in Infiltrated Ceramic Particle Reinforced Aluminium Composites"
		Available Web Site: <a href="http://dmxwww.epfl.ch/lmm/damage_particle.html">http://dmxwww.epfl.ch/lmm/damage_particle.html</a> Retrieved from Internet prior to the filing of the application.
		Fiber Reinforced Ceramic Composites
	DDDDD	Available Web Site: <a href="http://www.knovel.com/knovel2/Toc.jsp?BookID=364">http://www.knovel.com/knovel2/Toc.jsp?BookID=364</a> Retrieved from Internet prior to the filing of the application.
		"Why Cloisite"
	EEEEE	Available Web Site: <a href="http://www.nanoclay.com/main2.html">http://www.nanoclay.com/main2.html</a> Retrieved from Internet prior to the filing of the application.
		"Nanometer-thick clay may yield groundbreaking technology:"
	FFFFF	Available Web Site: <a href="http://news.uns.purdue.edu/UNS/html14ever/030415.Johnston.nanoclay.html">http://news.uns.purdue.edu/UNS/html14ever/030415.Johnston.nanoclay.html</a> Retrieved from Internet prior to the filing of the application.
		"Nanoclays"
	GGGGG	Available Web Site: <a href="http://www.nanocor.com/nanoclays.asp">http://www.nanocor.com/nanoclays.asp</a> Retrieved from Internet prior to the filing of the application.
		"Nanocomposite Technology"
	HHHHH	Available web Site: <a href="http://www.marquette.edu/chem/personnel/groups/wilkie/nanocomposite.html">http://www.marquette.edu/chem/personnel/groups/wilkie/nanocomposite.html</a>

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		"Nextel Ceramic Textiles-Technical Notebook"
	AMM	Available Web Site: <a href="http://www.3m.com/market/industrial/ceramics/misc/tech_notebook.html">http://www.3m.com/market/industrial/ceramics/misc/tech_notebook.html</a> Retrieved from Internet prior to the filing of the application.
	AMMM	"Nextel Ceramic Fibers"
	AMMM	Available Web Site: <a href="http://www.3m.com/market/industrial/ceramics/materials/nextel.html">http://www.3m.com/market/industrial/ceramics/materials/nextel.html</a> Retrieved from Internet prior to the filing of the application.
	AMMM	"Products on the Basis of Ceramic Fibers"
	AMMM	Available Web Site: <a href="http://www.izola.com.us/eng/ref_m.htm">http://www.izola.com.us/eng/ref_m.htm</a> Retrieved from Internet prior to the filing of the application.
	ALLL	Harper, C.A., "Handbook of Plastics and Elastomers", 1975, 4 pages
	AMMM	Lorca, J.L., "Fatigue of particle-and whisker-reinforced metal-matrix composites", <i>Progress in Materials Science</i> 47 (2002) 283-353
	AMMM	Tepper, F., "Nano Size Alumina Fibers" (11 pages) Retrieved from Internet prior to the filing of the application.

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